

Appl. No. 09/862,987
Amdt. dated November 21, 2005
Reply to Office Action of August 24, 2005

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for selecting hierarchical information with a computer system user interface, the method comprising steps of:
 - recognizing selection of an element in a hierarchy, wherein the element defines a highlighted selection area on a screen;
 - determining a plurality of ancestor elements for the element, wherein the plurality comprise a hierarchical progression of ancestor elements;
 - providing a selection control displayed on the screen for the computer system user interface, wherein,
 - a plurality of control-elements on the selection control each correspond directly to a different ancestor element of the plurality of ancestor elements;
 - the selection control is configured to allow[[s]] a user to choose a control-element of the plurality to thereby ~~selecting at least one of the plurality of the corresponding~~ ancestor elements ~~hierarchically related to the element~~ ; and
 - the selection control is distinct from the highlighted selection area on the screen;
 - recognizing manipulation of the selection control to choose the control-element;
 - and
 - selecting ~~a unit that comprises at least one of the plurality of the corresponding~~ ancestor elements ~~and the element~~ in response to the second-listed recognizing step.

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2. (Previously Presented) The method for selecting hierarchical information with the computer system user interface as recited in claim 1, further comprising steps of:

associating a trigger with content for the unit; and

notifying a user when the content changes and the trigger occurs, wherein the notification comprises a message.

3. (Currently Amended) The method for selecting hierarchical information with the computer system user interface as recited in claim 1, wherein the selecting step comprises a step of selecting all descendent elements for ~~any of the plurality of the selected~~ the selected ancestor elements ~~in the unit~~.

4. (Original) The method for selecting hierarchical information with the computer system user interface as recited in claim 1, wherein the selection control allows selecting a plurality of sibling elements related to one of the element and the plurality of ancestor elements.

5. (Currently Amended) The method for selecting hierarchical information with the computer system user interface as recited in claim 1, wherein:

the providing step comprises a step of providing a plurality of sibling elements related to at least one of the element and the plurality of ancestor elements; and

the control allows selecting a path through the plurality of sibling elements and plurality of ancestor elements wherein crossed elements and their respective descendent elements ~~comprise the unit~~ are selected.

6. (Original) The method for selecting hierarchical information with the computer system user interface as recited in claim 1, wherein the hierarchy is derived from an hypertext markup language (HTML) page.

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7. (Original) The method for selecting hierarchical information with the computer system user interface as recited in claim 1, further comprising a step of building a document object model from an HTML page.

8. (Original) The method for selecting hierarchical information with the computer system user interface as recited in claim 1, wherein the providing step comprises steps of:

providing a range of ancestor elements of the element along a sliding scale; and
providing a user-manipulatable slider that indicates a selected ancestor element in the range of ancestor elements.

9. (Original) The method for selecting hierarchical information with the computer system user interface as recited in claim 1, wherein the hierarchy represents one of:

a software program with nesting;
a HTML file;
an extensible markup language (XML) document; and
an organization chart.

10. (Original) The method for selecting hierarchical information with the computer system user interface as recited in claim 1, wherein the second-listed recognizing step comprises steps of at least one of:

recognizing selection of one of the plurality of ancestor elements in the hierarchy;
and
recognizing selection of a sibling element in the hierarchy.

11. (Currently Amended) A method for selecting hypertext markup language (HTML) information with a computer system user interface, the method comprising steps of:
receiving an HTML file from a server wherein the HTML file has a hierarchy;

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rendering an HTML web page corresponding to the HTML file;

recognizing selection of an element in the hierarchy, wherein the element defines a highlighted selection area on a screen and the element has a hierarchical progression of ancestor elements;

recognizing manipulation of a selection control ~~that is displayed on the screen for the computer system user interface~~ to choose a control-element among a plurality of control-elements on the selection control, wherein,

the plurality of control-elements each correspond directly to a different ancestor element of the progression of ancestor elements;

the selection control is displayed on the screen for the computer system user interface; and

the selection control is distinct from the highlighted selection area on the screen; and

selecting ~~a unit~~, in response to the second-listed recognizing step, ~~wherein the unit comprises at least one of a plurality of the ancestor elements and the element corresponding to the control-element.~~

12. (Original) The method for selecting HTML information with the computer system user interface as recited in claim 11, further comprising a step of determining the hierarchy for the HTML file.

13. (Original) The method for selecting HTML information with the computer system user interface as recited in claim 11, wherein the rendering step comprises a step of rendering the HTML web page corresponding to the HTML file without visible modification.

14. (Currently Amended) The method for selecting HTML information with the computer system user interface as recited in claim 11, wherein the ~~unit~~ selecting step

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comprises selecting at least two items chosen from the element, the plurality of ancestor elements and a sibling element.

15. (Currently Amended) The method for selecting HTML information with the computer system user interface as recited in claim 11, receiving a triggering condition that triggers an alert if content of the ~~unit~~ the selected ancestor element changes to satisfy the triggering condition, wherein the alert comprises a message.

16. (Original) The method for selecting HTML information with the computer system user interface as recited in claim 11, further comprising a step of receiving a triggering condition from a user related to the element.

17. (Previously Presented) The method for selecting HTML information with the computer system user interface as recited in claim 11, further comprising steps of:

producing a processed web page related to the HTML web page, wherein the producing step comprising steps of:

deactivating active elements within the HTML web page, and

embedding a selection script into the HTML web page, wherein the selection script provides the selection control.

18. (Currently Amended) A method for allowing selection of snippets from a web page, the method comprising steps of:

producing a processed web page related to the web page, wherein the producing step comprising steps of:

deactivating active elements within the web page, and

embedding a selection script into the web page, wherein the selection script provides a selection control, which is displayed on a screen that also displays the processed web page;

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recognizing selection of an element in a hierarchy that is related to the processed web page, wherein the element defines a highlighted selection area on the screen and the highlighted selection area is distinct from the selection control;

determining a plurality of ancestor elements ~~hierarchically-related to~~ for the element, wherein the plurality comprise a hierarchical progression of ancestor elements;

recognizing manipulation of the selection control to choose a control-element among a plurality of control-elements on the selection control, wherein ~~the selection control allows selecting at least one of the plurality of ancestor elements~~ the plurality of control-elements each correspond directly to a different ancestor element of the progression of ancestor elements; and

selecting ~~a unit that comprises at least one of the plurality of the~~ corresponding ancestor elements ~~and the element~~ in response to the second-listed recognizing step.

19. (Original) The method for allowing selection of snippets from the web page as recited in claim 18, further comprising steps of:

determining a plurality of probable snippets for the web page;

adding functionality to the web page to allow selection of the plurality of probable snippets; and

receiving input selecting one of the plurality of probable snippets.

20. (Original) The method for allowing selection of snippets from the web page as recited in claim 18, receiving an address for the web page by a semi-proxy.

21. (Currently Amended) The method for allowing selection of snippets from the web page as recited in claim 18, further comprising steps of:

associating a trigger with content for the ~~unit~~ selected ancestor element; and

notifying a user when the content changes and the trigger occurs, wherein the notification comprises a message.

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22. (Original) The method for allowing selection of snippets from the web page as recited in claim 18, wherein the processed web page has no visual differences from the web page.

23. (Original) The method for allowing selection of snippets from the web page as recited in claim 18, wherein the determining step comprises a step of analyzing a document object model related to the processed web page.

24. (Currently Amended) A software product embodied on a computer-readable medium for selecting hierarchical information with a computer system user interface, the software product comprising code for:

recognizing selection of an element in a hierarchy, wherein the element defines a highlighted selection area on a screen;

determining a plurality of ancestor elements for the element, wherein the plurality comprise a hierarchical progression of ancestor elements;

providing a selection control displayed on the screen for the computer system user interface, wherein,

a plurality of control-elements on the selection control each correspond directly to a different ancestor element of the plurality of ancestor elements;

the selection control is configured to allow ~~[[s]]~~ a user to choose a control-element of the plurality to thereby ~~selecting at least one of the plurality of the corresponding~~ ancestor elements ~~hierarchically related to the element~~; and

the selection control is distinct from the highlighted selection area on the screen;

recognizing manipulation of the selection control; and

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selecting ~~a unit that comprises at least one of the plurality of the~~
corresponding ancestor elements ~~and the element~~ in response to the second-listed recognizing step.

25. (Currently Amended) The method for selecting hierarchical information with the computer system user interface as recited in claim 1, wherein the control comprises a slider control movable along a sliding scale, and different increments of the sliding scale comprise different control-elements.

26. (Previously Presented) The method for selecting hierarchical information with the computer system user interface as recited in claim 1, wherein the control comprises two or four soft buttons.

27. (Previously Presented) The method for selecting hierarchical information with the computer system user interface as recited in claim 1, wherein:
the control comprises a first and a second degrees of freedom,
a first degree navigates ancestors and descendants of the element, and
the second degree navigates among siblings of the element.

28. (Currently Amended) The method for selecting hierarchical information with the computer system user interface as recited in claim 1, wherein:
the control comprises a slider control movable along a sliding scale, and
the sliding scale is demarked with characters that comprise the ~~unit~~ selected ancestor element.